

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

*Atherton • Belmont • Brisbane • Burlingame • Colma • Daly City • East Palo Alto • Foster City • Half Moon Bay • Hillsborough • Menlo Park
Millbrae • Pacifica • Portola Valley • Redwood City • San Bruno • San Carlos • San Mateo • San Mateo County • South San Francisco • Woodside*

DRAFT Agenda

Resource Management and Climate Protection Committee (RMCP)

Date: Thursday, June 7, 2012

Time: 3:00 to 5:00 p.m.

Location: San Carlos Library, 620 Elm Street – Upstairs Conference Room A
San Carlos, California

Please note: Meeting Day, Time and Location have Changed from previous months:

1. Introductions
2. Public comment
3. Approval of Minutes from May 2012 (Susan Wright) Action
4. Presentation by Bay Area Water Supply and Conservation Agency (BAWSCA) on Water Use and Conservation Programs in San Mateo County
(Kim Springer, Anona Dutton, BAWSCA)
Information
Direction
5. Presentation on Growth of Solar, Renewables Policy and Installations in San Mateo County and California
(Kim Springer, TBA)
Information
6. Update on San Mateo County Energy Watch Program Implementation Plan Addendum to PG&E for the 2013-2014 Contract Transition Period
(Kim Springer, Susan Wright) Information
Direction
7. Update on Regionally Integrated Climate Action Planning Suite (RICAPS) Progress
(Susan Wright, Will Klein) Information
8. Committee Member Updates
9. Next Regular Meeting Date: July 5, 2012 (location to be announced)

PUBLIC NOTICING: All notices of C/CAG Board and Committee meetings are posted at:
San Mateo County Transit District Office, 1250 San Carlos Ave., San Carlos, CA.

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Resource Management and Climate Protection Task Force Minutes from the 5-11-12 Meeting

In attendance:

Michael Barber, Supervisor Pine's office
Damien Breen, Bay Area Air Quality Management District
Jim Cogan, PG&E
Bob Cormia, Foothill De Anza Community College
Noelle Bell-Copley, Ecology Action
Maryann Moise Derwin, Committee Vice Chair, Portola Valley Town Council*
Deborah Gordon, Committee Chair, Woodside Town Council*
Will Klein, San Mateo County RecycleWorks (staff)
Lauren Swezey, Facebook
Dave Pine, San Mateo County Board of Supervisors*
Diane Reyes, PG&E
Sepi Richardson, Brisbane City Council* (1:45)
Kim Springer, San Mateo County RecycleWorks (staff)
Susan Wright, San Mateo County RecycleWorks (staff)

Not in attendance:

Pedro Gonzalez, South San Francisco City Council*
Jorge Jaramillo, San Mateo County Hispanic Chamber of Commerce
Kathy Lavezzo, PG&E
Richard Napier, C/CAG
Barbara Pierce, Redwood City Council*
Nicole Sandkulla, BAWSCA
Eric Sevim, A+ Japanese Auto Repair
*=Voting member

1) Introductions

Attendees introduced themselves and their organizations.

2) Public Comment

There was no public comment.

3) Approval of Minutes

Minutes from the March 2012 meeting were approved.

4) Presentation by BAAQMD Staff on Electric Vehicle Readiness Planning (Kim Springer, Damien Breen)

Damien Breen reported on the efforts the BAAQMD is making to get local Bay Area governments
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to respond to its EV readiness survey. He explained that the purpose of the survey is to provoke thought; assess readiness for EV charging in local communities, businesses, and residences; and assess the need for funding. The survey can be found here:

<http://www.surveymonkey.com/s/FP8JV6Y> The new closing date is May 30, 2012.

The survey has approximately 80 questions, and needs input from different departments within local government staff. Local community-based organizations are assisting cities in filling out the survey; San Mateo County cities can contact the Silicon Valley Clean Cities Coalition (patricia@lungsrus.org) for help. Belmont and Redwood City have already completed the survey. If BAAQMD doesn't get enough responses, it will be hard to put as much detail into the EV plan they are developing.

Damien explained the the Bay Area already has 5,000-10,000 EV users. This is 40% of California's EV users and 20% of the nation's EV users. Eighty-five to 90% of EV charging is currently happening at homes. BAAQMD is exploring some unique places to situate public charging stations in addition to public buildings and local businesses. These include EV charging integrated with valet parking, in retirement homes, and included as part of car sharing programs. Fast chargers can charge an EV to 80% capacity in 15 minutes.

Damien's presentation about the EV readiness survey is attached.

5) Presentation by PG&E on Time Varying Pricing and Outreach to Small and Medium Business in San Mateo County (Diane Reyes)

Diane Reyes's handout is attached. After her presentation, committee members made the following comments:

- PG&E should make an effort to contact building owners as well as business owners (the latter may not get the word from the landlord, yet they are the ones who potentially need to make changes because of time-varying pricing).
- PG&E could make presentations at Chambers of Commerce, and put information on local access tv and city websites.

6) Review and Comments on the Energy Section of the Draft San Mateo County Energy Strategy 2015 Document (Kim Springer)

Kim Springer stated that the goal is for the updated Energy Strategy to be finished by the end of the year. Barbara Pierce would like to get this information out as soon as possible in a shorter document.

The original document was written between 2006 – 2008. A criticism was that there was no end date stated for goals.

New items in the update are:

- Link between energy and water
- Land use
- Transportation
- Schools (in a separate section). It would help to break the data out for schools. It's very different from commercial or special districts; leaving it together could distort the data. A lot of solar is being installed on schools.

We'll see if BAWSCA can give a presentation about water use trends in San Mateo County at the

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next meeting.

Comments mentioned in the meeting:

- The graphs are really good. The number of BTUs seemed low in one chart.
- Put in a pie chart showing population and BTU per capita for gas and electricity.
- Add gasoline sales in the county. Bob Cormia will look in to liquid fuel numbers.
- Indicate how San Mateo County compares vs. the rest of the state.
- Provide energy intensity per square foot for cities. Schools do it this way. Square footage should be available in tax information. Could do this down the road for residential and commercial. (Zillow provides this for residential now.)

Once other committee members have read the document, they should send their comments directly to Kim.

7) Update on Regionally Integrated Climate Action Planning Suite (RICAPS) Progress (Kim Springer)

RICAPS has a Multi-City Working Group that meets monthly. Uploading of 2005 GHG emissions data has been slow but steady. It hasn't gone faster because of bandwidth on the part of city staff.

Other counties have expressed interested in using RICAPS (Santa Clara, AMBAG). RICAPS didn't get a grant from the Strategic Growth Council. Kim presented RICAPS to Michael McCormack at the State Office of Planning & Research (OPR). He will be setting up a meeting with the Air Resources Board and will invite SGC staff to attend, as well.

8) Update on San Mateo County Energy Watch Program (Susan Wright, Will Klein)

The group discussed the Energy Watch Partners meeting on May 9 (agenda and funding comparison sheet are attached). Susan Wright explained that financing allows local governments to bundle projects to bring down the payback period and maximize savings, going beyond the standard approach of only doing projects on the capital projects list.

SMCEW is helping additional cities with benchmarking buildings. Benchmarking is critical because it allows staff to identify energy saving opportunities and confirm that energy use in buildings isn't creeping up after a retrofit.

9) Discussion on Possible Change of Date, Time, and Venue of Meeting (Kim Springer)

The group agreed that the first Thursdays from 3 to 5pm at the SamTrans building in San Carlos would work well. Since many members weren't present for the discussion, Kim Springer is going to poll the remaining committee members to see if this new date and time would work. If not, meetings will continue to be held on the 2nd Fridays from 1 to 3pm at 555 County Center in Redwood City.

10) Committee Member Updates

Staff mentioned that the MTC will spend \$250 million over the next 10 years on EV readiness, so it's especially important to cities to respond to BAAQMD's survey.

Sepi Richardson mentioned that the RMCP committee wasn't present enough at the recent Progress Seminar in Monterey. Kim Springer should attend next time and be more visible.

Staff brought up the idea of having an environmental summit. Dave Pine expressed interest in doing

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this in the fall. The summit could include environmental innovations, small business innovations, fast-charging EV stations, etc.

11) Next Regular Meeting Date: Thursday, June 7, 2012 3 to 5pm, SamTrans building

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**City / County Associations of Governments of San Mateo County
Resource Management and Climate Protection Committee (RMCP)
May 11, 2012**

PG&E's Outreach Efforts to Small and Medium Businesses on Time Varying Pricing in San Mateo County

Beginning in April 2012, PG&E has started outreach to small and medium business customers throughout PG&E's territory.

PG&E's definition of a small and medium business customer is any commercial account that uses under 500,000 kWh of annual energy use. Examples of small and medium business customers include: liquor stores, beauty shops, nail salons, convalescent homes and small "mom & pop" grocery stores.

PG&E has a team of eight local "Small & Medium Business Representatives" dedicated to serving the needs of San Mateo County.

The focus on this target segment is due to the mandatory, state-wide rate change occurring on November 1, 2012 where all rates will convert to time varying pricing, where customers are charged by the time of day that energy is used. This also helps translate the pay structure to PG&E's customer, mirroring how PG&E pays for its energy.

Not many small and medium-sized businesses in San Mateo County will see a bill increase. In fact, the rate was structured so that there is an overall neutral impact to customers' electric bills, while at the same time providing customers an opportunity to further save on their bills if they shift energy usage away from peak hours.

What PG&E representatives are doing during personal visits to our small and medium businesses customers in San Mateo County:

- Canvassing business districts by city in pairs. (See attached page for specific canvassing schedule.)
- Offering FREE on-site energy assessments and provide a detailed report highlighting no and low cost energy savings recommendations in partnership with San Mateo County Energy Watch, Right Lights, GreenVent, Lodging Savers, Food Service Technology Center, and other PG&E programs.
- Educating small and medium-sized business customers about a new electric rate structure being implemented by all investor-owned utilities in California.
- Discussing with customers our new array of PG&E on-line tools and resources that are simple for our small and medium business customers who have limited time, to navigate.
- Offering FREE energy efficiency audits and providing new energy efficiency rebate programs for our small and medium business customers to help reduce their energy bills.
- Working closely with our local community organizations – chamber, non-profits, etc., to ensure our outreach efforts are thorough. Possible event venues are mixers, workshops, luncheons, etc.





How PG&E Outreach will assist Communities:

- Energy reduction by commercial customers will assist cities/towns/County in meeting aggressive Climate Action Plan goals of reducing their energy usage by 10% by 2020. PG&E can provide energy data by community to determine energy reductions for the commercial segment.
- Economic development in communities will be enhanced as small and medium business customers will save money by reducing energy usage and increase the bottom lines of their businesses.
- Any PG&E issues above and beyond energy efficiency will be addressed by PG&E representatives. PG&E can provide specific and localized information on service reliability and any other pertinent energy related issues such as billing, metering, reliability, construction work, etc.

Canvassing Schedule by City/Community

- April and May 2012:
 - o Atherton
 - o Portola Valley
 - o Woodside
 - o East Palo Alto
 - o Menlo Park
 - o San Carlos
 - o Redwood City
 - o Brisbane
- June – August 2012:
 - o Colma
 - o Millbrae
 - o San Bruno
 - o Belmont
 - o Burlingame
 - o South San Francisco
 - o San Carlos
 - o San Mateo
 - o Hillsborough
 - o Unincorporated San Mateo County - Moss Beach and El Granada
 - o Foster City
 - o Pacifica
 - o Daly City
 - o Half Moon Bay

Municipal Energy Efficiency Funding Opportunities

	 <p>California Energy Commission 3% Energy Efficiency Loan</p>	 <p>Pacific Gas and Electric Company®</p> <p>PG&E On-Bill-Financing 0% Energy Efficiency Loan</p>
History	Started in 1979 through the CA Energy Conservation Assistance Act	Launched in 2010 - CA Public Utilities Commission mandate.
Loan pool	Revolving loan program with recent infusion of \$25 million into the loan pool (\$20M remaining as of 5/3).	Original \$18.5M loan pool (\$7.5M remaining as of 5/1).
Maximum loan amount	\$3 million maximum loan amount per project.	\$1 million maximum total per jurisdiction. \$250,000 max per meter.
Minimum loan amount	No minimum.	\$5,000 minimum.
Qualified efficiency projects include:	<ul style="list-style-type: none"> ➤ Lighting systems ➤ Pumps, motors, & fans ➤ HVAC & boiler upgrades ➤ General efficiency upgrades (insulation, window film, EMS, etc.) ➤ Energy generation (renewable and combined heat & power projects) 	<ul style="list-style-type: none"> ➤ Lighting systems, including LED streetlight retrofits ➤ Pumps, motors, & fans ➤ HVAC & boiler upgrades ➤ General efficiency upgrades (insulation, window film, EMS, etc.) ➤ *Must qualify for an incentive through PG&E rebate program
Timing of dispersal	Funds dispersed upon request and on a reimbursement basis.	Funds dispersed after full completion and inspection of project.
Approval criteria	Energy cost savings is basis for loan repayment. The loan can fully fund projects with simple payback of 11 years or less; partial funding for projects with a longer simple payback.	Maximum 10 year simple payback from energy savings; partial funding for projects with a longer simple payback.

C/CAG AGENDA REPORT

Date: June 7, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer, County Staff to C/CAG
Subject: Presentation by Bay Area Water Supply and Conservation Agency (BAWSCA) on Water Use and Conservation Programs in San Mateo County

(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive a presentation and comment on information presented by BAWSCA on water use and conservation programs in San Mateo County.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

As part of the effort to complete the update to the San Mateo County Energy Strategy (Energy Strategy), BAWSCA has been invited to present on water use trends and conservation programs in San Mateo County.

Staff is suggesting that the water goal in the original Energy Strategy be kept the same in the update document. That goal is:

Implement cost-effective and feasible water conservation and recycling, develop other local water supplies, and strongly support local water utilities' efforts towards the goal of meeting local water demands within the supply constraints enacted by the San Francisco Public Utilities Commission (SFPUC). The SFPUC currently estimates that San Mateo County will need an additional 5 million gallons of water per day by 2018 to meet projected demands.

Staff invites comments on important aspects of county water use trends and conservation programs to include in the Energy Strategy update.

A link to BAWSCA's website is provided as an attachment to this staff report.

Attachments/Links

Link to BAWSCA Website: <http://bawasca.org/>

C/CAG AGENDA REPORT

Date: June 7, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer, County Staff to C/CAG
Subject: Presentation on Growth of Solar, Renewables Policy and Installations in San Mateo County and California

(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive a presentation on growth of solar, renewables policy and installations in San Mateo County and California.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

Staff noted recent policy, potentially affecting the growth of renewable generation in San Mateo County and the State of California. Staff has invited a speaker to share their knowledge on progress towards net metering and growing opportunities for consumers to draw their energy needs from renewable sources.

A data sheet, provided by PG&E on grid-tied solar growth in San Mateo County has been provided as an attachment to this staff report for additional discussion at the meeting.

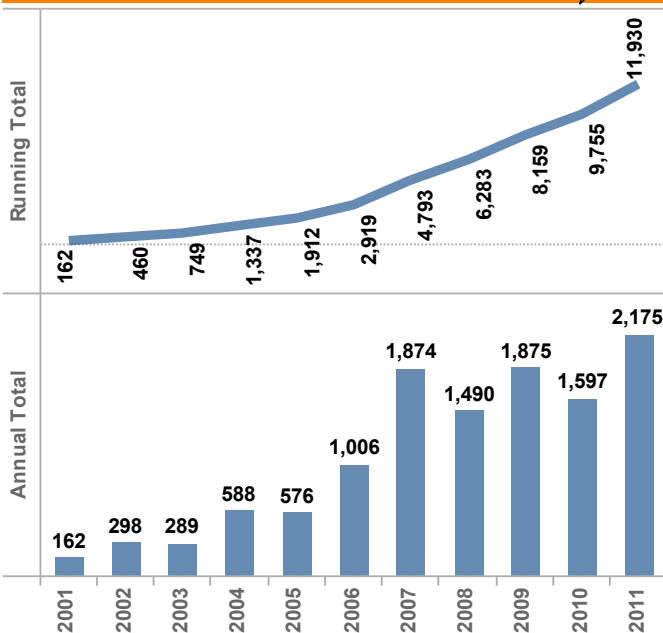
Attachments/Links

PG&E Generation Interconnection Services Progress Report for San Mateo County

PG&E Generation Interconnection Services Progress Report for San Mateo County

PV Generation Sites Authorized to Parallel under Rule 21 Programs 02/2001 through 12/2011

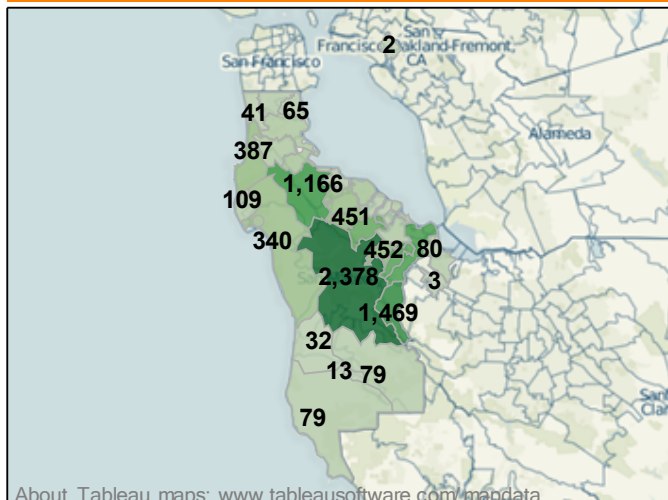
Residential CEC AC Capacity (kW)



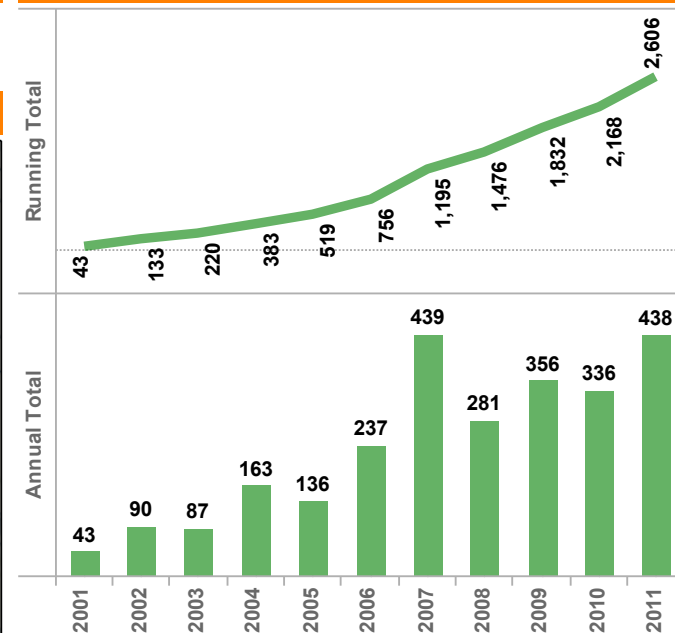
Residential PV 02/2001 through 12/2011

Capacity (kW) **13,510** CEC AC (kW) **11,930** Sites **2,606**

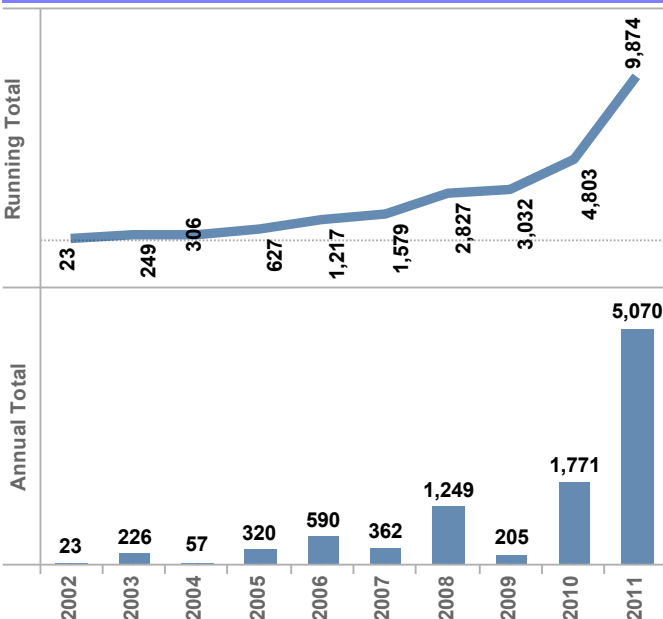
Residential CEC AC Capacity by ZipCode



Residential Sites



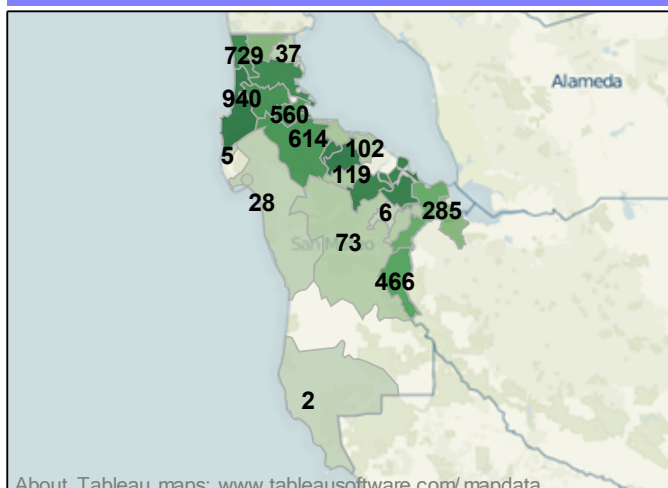
Non-Residential CEC AC Capacity (kW)



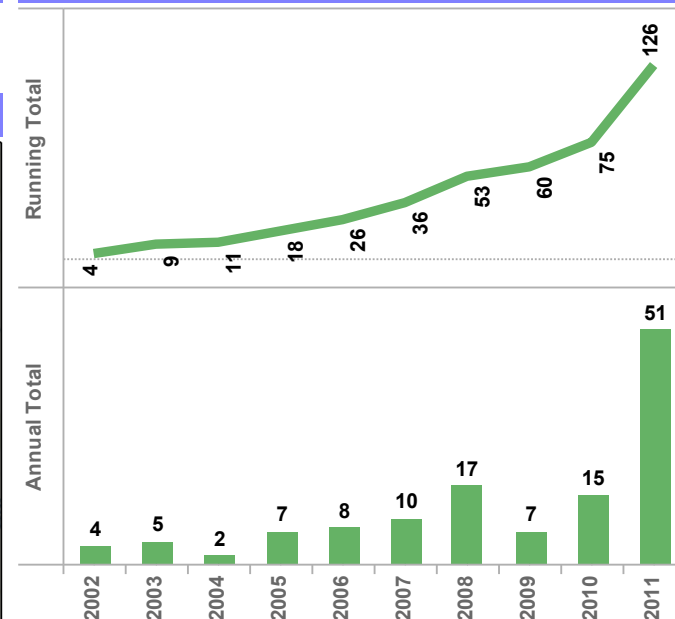
Non-Residential PV 07/2002 through 12/2011

Capacity (kW) **11,156** CEC AC (kW) **9,874** Sites **126**

Non-Residential CEC AC Capacity by ZipCode



Non-Residential Sites



Capacity = AC Nameplate Rating of System Inverters in kW

CEC AC = PV Module Quantity times CEC PTC Rating times Inverter Efficiency Rating (per CEC site). If Module info unavailable then CEC AC is estimated at 86% of Inverter Nameplate.

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C/CAG AGENDA REPORT

Date: June 7, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer, County Staff to C/CAG
Subject: Update on San Mateo County Energy Watch Program Implementation Plan Addendum to PG&E for the 2013-2014 Contract Transition Period
(For further information contact Kim Springer at 650-599-1412 or Susan Wright at 650-599-1403.)

RECOMMENDATION

Receive an informational update and give direction on the San Mateo County Energy Watch Program Implementation Plan Addendum to PG&E for 2013-2014 Contract Transition.

FISCAL IMPACT

All SMCEW program staff costs and expenses are paid for by funding under the C/CAG – PG&E LGP agreement.

BACKGROUND/DISCUSSION

San Mateo County Energy Watch is a local government partnership between the City and County Association of Governments of San Mateo County (C/CAG) and Pacific Gas and Electric Company (PG&E). This program is managed and staffed by RecycleWorks, a program of the County of San Mateo. Other program partners include Ecology Action and El Concilio. The three-year program cycle runs from January 1, 2010 through December 31, 2012.

San Mateo County Energy Watch accomplishes energy savings in the municipal, non-profit and residential program sectors. SMCEW's municipal program has completed energy audits and/or energy-efficiency projects in nearly all the cities and other public agencies in San Mateo County, including Atherton, Belmont, Brisbane, Burlingame, Colma, Daly City, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Millbrae, Pacifica, Redwood City, San Bruno, San Carlos, San Mateo, SamTrans, South Bayside Waste Management Authority, South San Francisco, Woodside and the County of San Mateo. SMCEW has completed projects for a variety of non-profit organizations, including food closets, home owners associations, and congregations.

Program Planning for 2013-2014 Transition Period

Staff has been formulating ideas for potential areas of expansion for the SMCEW over the last several months and has been following developments and decisions from the CPUC for the 2013-14 transition period.

On May 24, 2012, staff attended a PG&E Local Government Partnership (LGP) meeting in San Ramon to review the process by which the LGPs will submit a review of their progress and successes in the current 2010-12 program cycle and changes to existing program implementation plans for 2013-14.

CPUC recently delivered decision 12-05-015 (link below, under Attachments), which outlines their expectation for the transition period for the investor owned utilities (IOUs). The following is a portion of the summary of that decision:

“In this decision, the Commission directs Pacific Gas and Electric Company, Southern California Edison Company, San Diego Gas & Electric Company, and Southern California Gas Company (collectively, the investor-owned utilities) to file applications no later than July 2, 2012 to establish energy efficiency programs and budgets for 2013 and 2014.”

“The past several energy efficiency portfolios have been approved on a three-year cycle, which has sometimes been followed by a one-year "bridge" year extending the existing programs to allow plans to be made for the next portfolio cycle. In this decision, rather than have a simple one-year "bridge" year extension following the 2010-2012 portfolio, we establish a two-year "transition" period. This decision takes the best elements of the existing portfolio, gives guidance on some modifications, and signals the way toward broader changes to the energy efficiency portfolio starting in 2015. Rather than make fundamental changes to the California energy efficiency market in this decision, we identify what is working well and build upon it, remove what is not working well, and modify programs that have merit but are not realizing full ratepayer benefit. We primarily give guidance in this decision to support modifications to existing elements of the 2010-2012 programs. Our intent is to have this two-year transition period enable some additional research and provide time to make more fundamental changes to the energy efficiency programs.”

“This decision gives guidance to the utilities on the 2013-2014 energy efficiency programs, with the overall direction that they should begin a transition away from short-lived energy savings and towards deeper retrofits. The decision also gives guidance on expanding energy efficiency financing, by directing development of a portfolio of options at a total of \$200 million over the two-year period. We also take steps to reduce the number and complexity of energy efficiency programs. In addition to the guidance for 2013-2014, this decision clarifies certain aspects of the 2012 Marketing, Education, and Outreach program, and other changes detailed in this decision, which will impact the 2013-2014 transition period.”

At this RMCP meeting, staff will present the proposal for the transition period, submitted to our IOU, PG&E. At the time of the writing of this report, staff is writing the proposal, the format of which was supplied by PG&E on May 30, 2012 and which must be submitted by June 5, 2012. Any direction given by committee members will be used during the negotiation phase of the contracting process with PG&E.

ATTACHMENT

Link to CPUC Decision 12-05-015:

http://docs.cpuc.ca.gov/PUBLISHED/FINAL_DECISION/166830.htm#P334_12387

C/CAG AGENDA REPORT

Date: June 7, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer
Subject: Update on Regionally Integrated Climate Action Planning Suite (RICAPS) Progress

(For further information, contact Kim Springer at 650-599-1412 or Richard Napier at 650-599-1420)

RECOMMENDATION

Receive an update on the BAAQMD/PG&E grant to develop a Climate Action Plan (CAP) Template, now called RICAPS.

FISCAL IMPACT

Up to \$100,000.

SOURCE OF FUNDS

Funding for staff work for the completion of deliverables for the BAAQMD grant and further development of funding for this project are paid for by a \$100,000 in agreements between C/CAG and the County of San Mateo FY2011-12 through December 31, 2012, from Congestion Relief Funds. These funds are partially funded by grants from PG&E and the BAAQMD.

BACKGROUND/DISCUSSION

On September 16, 2010, the C/CAG Board adopted a Resolution No. 10-53, giving the Chair authority to sign a grant agreement between C/CAG and the BAAQMD for \$50,000 to complete a CAP template project for the cities in San Mateo County and Cupertino. On March 10, 2011, the C/CAG Board adopted Resolution No. 11-11 for a grant agreement between C/CAG and PG&E for \$125,000.

Though the above grants and matching funds from C/CAG will allow the project to continue through to completion, C/CAG and County staff expect that refinements to RICAPS will continue to develop over time as additional stakeholders collaborate on the project. Staff is also considering additional grant funding opportunities for the RICAPS project.

At the May 11, 2012 meeting, staff updated the committee on progress: the final grant report to the BAAQMD and progress moving the cities onto the RICAPS, Hara software tool. A main challenge mentioned was that, even with the RICAPS project, there is still considerable staff time for cities to organize data, integrate into RICAPS and write their climate action plan. Since May 11, staff has organized another working group meeting with the various cities in San Mateo County.

At this meeting, staff will give a brief update on the progress of the cities in San Mateo County.

The most recent versions of the RICAPS documents (plan text and list of measures), can be found at: http://www.smcenergywatch.com/countywide_climate_action.shtml.

Attachments

None